

last updated: 1/17/2015

description	quantity	unit weight	total weight
LIFTER:			
C-channels	2	4.3	8.6
C-channel brace	3	0.514	1.542
cross bracing	2	0.7	1.4
vertical brace	2	2	4
chain	2	1.5	3
axle	3	0.4	1.2
slide assembly	1	4	4
motors+trans	2	2	4
disc break assembly	2	0.5	1
axle supports	6	0.04	0.24
hubs	4	0.062	0.248
large sprockets	4	0.034	0.136
small sprockets	4	0.037	0.148
tensioner sprocket	2	0.025	0.05
tensioner mount	2	0.1	0.2
bearings	25	0.1	2.5
collar	6	0.087	0.522
TOTAL			32.79

GRIPPER CARRIAGE:			
mount	1	2.5	2.5
motor mount plate	1	0.12	0.12
belt sprocket	2	0.035	0.07
motor mount bracket	1	0.021	0.021
hex bearing	2	0.01	0.02
lead screw collar	1	0.023	0.023
radial bearing	6	0.028	0.168
linear bushing	4	0.13	0.52
pillow bushing mount	4	0.154	0.616
nut flange plate	2	0.19	0.38
end blocks	2	0.26	0.52
nut mount block	2	0.12	0.24
start block	2	0.22	0.44
lead screw	2	0.36	0.72
linear shaft	4	0.5	2
motor	1	2	2
slide connector	2	0.5	1
TOTAL			11.36

GRIPPER ARM:

design TBD (estimate)	2	4	80
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STABILIZER:

contact plate	4	0.23	0.92
traction material	4	0.1	0.4
arm body	4	1.5	6
arm connector	2	0.75	1.5
pivot block	4	0.382	1.528
pneumatic mount	2	0.1	0.2
pneumatic parts	2	1	2
misc reinforcing	1	0.1	0.1
			0
			0

TOTAL:			12.65
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DRIVE BASE:

DRIVE BASE:	1	39.5	39.50
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FASTENERS:

fasteners			5.00
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ELECTRICAL:

wires and stuff			15.00
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GRAND TOTAL:			124.29
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not including lighting holes!

not including skid plate for litter

not including rc puller